

WHAT IS CLAIMED IS:

1. A seat rail structure, comprising:

a seat rail extending rearward from a vehicle body frame for supporting a seat, the seat rail being formed of a left-and-right two-split cast product having a substantially flat upper surface,

wherein the seat rail includes at least one cross member, the cross member being mountable using fastening members, the seat being arranged above the seat rail and the cross member, and a seat engaging member for engaging the seat being formed on the cross member.

2. The seat rail structure according to claim 1, wherein the at least one cross member includes a front upper cross member, a lower front cross member, and a rear cross member.

3. The seat rail structure according to claim 1, wherein the seat rail is constituted of left and right seat rails which are divided with respect to a vehicle-width-direction center.

4. The seat rail structure according to claim 3, wherein the at least one cross member includes a front upper cross member, a lower front cross member, and a rear cross member.

5. The seat rail structure according to claim 4, wherein the left and right seat rails include rail mounting portions on front end portions thereof, fuel tank support portions formed behind the rail mounting portions, front upper connection portions and front lower connection portions formed behind the fuel tank support portions, rear connection portions formed behind the front lower connection portions, extension portions which extend toward the vehicle-width-direction center from the rear end portions, and flanges on distal end portions thereof, the flanges abutting each other.

6. The seat rail structure according to claim 5, wherein the front upper cross member overlaps between the front upper connection portions from above and is bolted to the front upper connection portions, both ends of the front lower cross member are sandwiched between the front lower connection portions and are bolted to the front lower connection portions, the rear cross member overlaps the rear connection portions from above and is bolted to the rear connection portions, and the flanges which abut to each other are bolted to each other.

7. The seat rail structure according to claim 1, wherein a heat shielding plate for engine exhaust muffler overlaps the seat rail from above, a seat mounting member which mounts the seat thereon or the cross member overlaps the heat shielding plate for engine

exhaust muffler from above, and the heat shielding plate for engine exhaust muffler, the seat mounting member and the cross member are fastened to the seat rail by bolts.

8. The seat rail structure according to claim 7, wherein the seat mounting member is a hook plate mounted on rear extended portions of the seat rail.

9. The seat rail structure according to claim 7, wherein the heat shielding plate forms a housing portion at a rear portion thereof and on the vehicle-width direction center, forms housing partition plates at both left and right sides of the housing portion, forms left and right front seat mounting holes at a front portion thereof, forms left and right cross member mounting holes at the fore-and-aft direction center portion, forms left and right hook mounting holes at the rear portion, and forms a box mounting portion which is largely cut out in the directions toward the front end and the left side.

10. The seat rail structure according to claim 9, wherein the seat may be locked over the housing portion, and articles may be securely stored in the housing portion under the seat.

11. A seat rail structure, comprising:

a seat rail for supporting a seat, the seat rail having front portions thereof overlapping a fuel tank and being attached to vehicle main pipes and extending

rearwardly, the seat rail being formed of a left-and-right two-split cast product having a substantially flat upper surface,

wherein the seat rail includes at least one cross member, the cross member being mountable using fastening members, the seat being arranged above the seat rail and the cross member, and a seat engaging member for engaging the seat being formed on the cross member.

12. The seat rail structure according to claim 11, wherein the at least one cross member includes a front upper cross member, a lower front cross member, and a rear cross member.

13. The seat rail structure according to claim 11, wherein the seat rail is constituted of left and right seat rails which are divided with respect to a vehicle-width-direction center.

14. The seat rail structure according to claim 13, wherein the at least one cross member includes a front upper cross member, a lower front cross member, and a rear cross member.

15. The seat rail structure according to claim 14, wherein the left and right seat rails include rail mounting portions on the front end portions thereof, fuel tank support

portions formed behind the rail mounting portions, front upper connection portions and front lower connection portions formed behind the fuel tank support portions, rear connection portions formed behind the front lower connection portions, extension portions which extend toward the vehicle-width-direction center from the rear end portions, and flanges on distal end portions thereof, the flanges abutting each other.

16. The seat rail structure according to claim 15, wherein the front upper cross member overlaps between the front upper connection portions from above and is bolted to the front upper connection portions, both ends of the front lower cross member are sandwiched between the front lower connection portions and are bolted to the front lower connection portions, the rear cross member overlaps the rear connection portions from above and is bolted to the rear connection portions, and the flanges which abut to each other are bolted to each other.

17. The seat rail structure according to claim 11, wherein a heat shielding plate for engine exhaust muffler overlaps the seat rail from above, a seat mounting member which mounts the seat thereon or the cross member overlaps the heat shielding plate for engine exhaust muffler from above, and the heat shielding plate for engine exhaust muffler, the seat mounting member and the cross member are fastened to the seat rail by bolts.

18. The seat rail structure according to claim 17, wherein the seat mounting member is a hook plate mounted on rear extended portions of the seat rail.

19. The seat rail structure according to claim 17, wherein the heat shielding plate forms a housing portion at a rear portion thereof and on the vehicle-width direction center, forms housing partition plates at both left and right sides of the housing portion, forms left and right front seat mounting holes at a front portion thereof, forms left and right cross member mounting holes at the fore-and-aft direction center portion, forms left and right hook mounting holes at the rear portion, and forms a box mounting portion which is largely cut out in the directions toward the front end and the left side.

20. The seat rail structure according to claim 19, wherein the seat may be locked over the housing portion, and articles may be securely stored in the housing portion under the seat.